Application No. 10/527,772

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

- 1. (Withdrawn and Currently Amended) A method of preparing the library of membrane protein-embedded liposomes of claim 14, 8, which method comprises (a) providing a library of membrane proteins and (b) contacting the library of membrane proteins with liposomes to form a library of membrane protein-embedded liposomes.
- 2. (Withdrawn) The method of claim 1, wherein said membrane proteins comprise at least GPI anchor type receptors, G protein-coupled receptors, and oligomer type receptors.
- 3. (Withdrawn) The method of claim 1, wherein the membrane proteinembedded liposomes have a diameter of about 10 nm to about 5,000 nm.
- 4. (Withdrawn) The method of claim 3, wherein the membrane proteinembedded liposomes have a diameter of about 10 nm to about 500 nm.
 - 5. (Canceled)
- 6. (Withdrawn) The method of claim 1, wherein the weight ratio of the membrane proteins to lipids constituting the liposomes is from 0.05 to 0.5.
 - 7. (Canceled)
 - 8. (Canceled)
- 9. (Currently Amended) The library of claim 14, 8, wherein the amount of membrane proteins per library is about 1 pg or more.
- 10. (Previously Presented) The library of claim 9, wherein the amount of membrane proteins per library is about 10 pg or more.
- 11. (Currently Amended) The library of claim $\underline{14}$, $\underline{8}$, which comprises about 1×10^8 or more membrane protein-embedded liposomes.

- 12. (Withdrawn) The method of claim 1, wherein the weight ratio of the membrane proteins to lipids constituting the liposomes is from 0.01 to 0.05.
- 13. (Withdrawn) The method of claim 1, wherein the library of membrane proteins is free of detergents, denaturing agents, and organic solvents.
- 14. (Currently Amended) A library of membrane protein-embedded liposomes comprising about $1x10^6$ or more membrane protein-embedded liposomes, which is obtained by:
 - (a) providing a library of membrane proteins, and
- (b) contacting the library of membrane proteins with liposomes to form a library of membrane protein-embedded liposomes,

wherein the weight ratio of the membrane proteins to lipids constituting the liposomes is 0.05 or less, wherein the liposomes have a diameter of 10-5000 nm, 10-nm or more, and wherein the amount of membrane proteins per library is about 10 fg or more.